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PATENT
Customer No. 22,852
Attorney Docket No. 9090.0002-02

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re Application of:)
)
Darin Wayne HIGGINS et al.)
)
Application No.: 09/821,587) Group Art Unit: 2672
)
Filed: March 29, 2001) Examiner: Jin-Cheng Wang
)
For: SYSTEM AND METHOD FOR)
SYNCHRONIZING RASTER AND)
VECTOR MAP IMAGES)

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Commissioner for Patents
Washington, DC 20231

Sir:

INFORMATION DISCLOSURE STATEMENT UNDER 37 C.F.R. § 1.97(c)

Pursuant to 37 C.F.R. §§ 1.56 and 1.97(c), Applicants bring to the attention of the Examiner the documents listed on the attached PTO 1449. This Information Disclosure Statement is being filed after the events recited in Section 1.97(b) but, to the undersigned's knowledge, before the mailing date of either a Final action, Quayle action, or a Notice of Allowance. Under the provisions of 37 C.F.R. § 1.97(c), this Information Disclosure Statement is accompanied by a fee of \$180.00 as specified by Section 1.17(p).

Applicants respectfully request that the Examiner consider the listed documents and indicate that they were considered by making appropriate notations on the attached form.

Copies of the listed documents are attached.

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This submission does not represent that a search has been made or that no better art exists and does not constitute an admission that each or all of the listed documents are material or constitute "prior art." If the Examiner applies any of the documents as prior art against any claims in the application and Applicants determine that the cited document does not constitute "prior art" under United States law, Applicants reserve the right to present to the Office the relevant facts and law regarding the appropriate status of such documents.

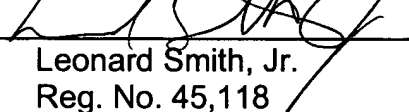
Applicants further reserve the right to take appropriate action to establish the patentability of the disclosed invention over the listed document, should the document be applied against the claims of the present application.

If there is any fee due in connection with the filing of this Statement, please charge the fee to our Deposit Account No. 06-0916.

Respectfully submitted,

FINNEGAN, HENDERSON, FARABOW,
GARRETT & DUNNER, L.L.P.

Dated: March 5, 2003

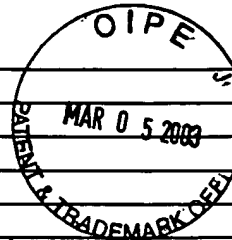
By: 
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INFORMATION DISCLOSURE CITATION

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|------------------|----------------------------|------------|------------|
| Atty. Docket No. | 9090.0002-02 | Appln. No. | 09/821,587 |
| Applicant | Darin Wayne HIGGINS et al. | | |
| Filing Date | March 29, 2001 | Group: | 2672 |



U.S. PATENT DOCUMENTS

| Examiner Initial* | Document Number | Issue Date | Name | Class | Sub Class | Filing Date If Appropriate |
|-------------------|-----------------|------------|--------------------|-------|-----------|----------------------------|
| | 4,737,916 | 04/12/88 | Ogawa et al. | 364 | 443 | |
| | 6,321,158 | 11/20/01 | DeLorme et al. | 701 | 201 | |
| | 5,487,139 | 01/23/96 | Saylor et al. | 395 | 135 | |
| | 6,377,278 | 04/23/02 | Curtright et al. | 345 | 634 | |
| | 6,084,989 | 07/04/00 | Eppler | 382 | 293 | |
| | 5,247,356 | 09/21/93 | Ciampa | 358 | 109 | |
| | 5,884,216 | 03/16/99 | Shah et al. | 701 | 207 | |
| | 5,902,347 | 05/11/99 | Backman et al. | 701 | 200 | |
| | 5,596,494 | 01/21/97 | Kuo | 364 | 420 | |
| | 5,422,989 | 06/06/95 | Bell et al. | 395 | 133 | |
| | 5,592,375 | 01/07/97 | Salmon et al. | 395 | 207 | |
| | 5,467,271 | 11/14/95 | Abel et al. | 364 | 420 | |
| | 5,842,148 | 11/24/98 | Prendergast et al. | 702 | 34 | |
| | 4,885,706 | 12/05/89 | Pate et al. | 364 | 551.01 | |
| | 5,414,462 | 05/09/95 | Veatch | 348 | 135 | |

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FOREIGN PATENT DOCUMENTS

| Document Number | Publication Date | Country | Class | Sub Class | Translation Yes or No |
|-----------------|------------------|---------|-------|-----------|-----------------------|
| WO 97/49027 | 12/24/97 | Europe | | | |
| EP 0 619 554 A2 | 10/12/94 | Europe | | | |
| EP 0 454 129 A2 | 10/30/91 | Europe | | | |
| WO 90/14627 | 11/29/90 | Europe | | | |

OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.)

| |
|---|
| Li et al., "Accuracy Assessment of Mapping Products Produced from the Star-3/ Airborne IFSAR System". |
| Fukunaga et al., "Image Registration Using an Image Graph and its Application to Map Matching," IEE Proceedings-E, Vol. 138, No. 2, March 1991 |
| Wang, "Integrating GIS's and Remote Sensing Image Analysis Systems by Unifying Knowledge Representation Schemes," IEEE Transactions on Geoscience and Remote Sensing, Vol. 29, No. 4, p. 656-664, July 1991 |
| Roux, "Automatic Registration of Spot Images and Digitized Maps," IEEE, p. 625-628, 1996 |

| | |
|---|---|
| Examiner | Date Considered |
| *Examiner: Initial if reference considered, whether or not citation is in conformance with MPEP 609; draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant. | |
| Form PTO 1449 | Patent and Trademark Office - U.S. Department of Commerce |